

Appl. No. 10/707,718
Amdt. dated April 27, 2006
Reply to Office action of February 08, 2006

REMARKS/ARGUMENTS

1. Objection to the Drawings:

5 Claim 13 is amended to revise "connectors" to "headers," the term headers referring to elements 68 depicted in Fig. 3 and described in the disclosure. No new matter is entered. The applicant makes this change for clarity, and maintains that the terms header and connector can be synonymous. As such, a new search or additional consideration should not be required because of this amendment.

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Since the claimed headers are depicted in Fig. 3 as elements 68, the applicant respectfully requests that the objection to the drawings be withdrawn.

2. Rejection of claims 1-4, 8-14, and 16-18 under 35 U.S.C. 102(e) as being anticipated by Rolls et al. (US 6,750,562):

Regarding claim 1:

15 The applicant argues that not all claim 1 limitations are taught by Rolls et al. The claim 1 limitation of

at least an integrated drive electronics device installed inside the cage

20 is not taught by Rolls et al. The Examiner has indicated the power supply unit 74 as being equivalent to the claimed integrated drive electronics device. However, it is well known that integrated drive electronics devices are devices such as hard drives, floppy drives, etc, and not power supplies. Thus, the power supply unit 74 does not meet the above limitation. As such, the applicant requests that this rejection be withdrawn.

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Regarding claim 9:

Claim 9 is amended to clarify the limitation of "obliquely." The oblique alignment of the
5 applicant's memory slots 76 can be clearly seen in Fig. 4. No new matter is entered. The applicant assumes that, based on the rejection of claim 9 on page 4 of the Office action, the Examiner has not fully considered the intent of the "obliquely" limitation. Clearly, the memory slots 85 of Rolls et al. are not obliquely installed with respect to the motherboard 40.

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Therefore, the amended claim 9 limitation of

the memory slot is installed on the bottom surface of the motherboard
obliquely with respect to the bottom surface of the motherboard

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is not taught by Rolls et al. As such, the applicant requests that this rejection be withdrawn.

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Should the Examiner maintain that the memory slots 85 of Rolls et al. are obliquely installed, clarification is requested by the applicant.

Regarding claim 10:

Rolls et al. make no mention of the relative heights of the memory slots and the central
25 processing unit.

Therefore, the amended claim 9 limitation of

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the obliquely installed memory slot has a height smaller than that of the central processing unit

is not taught by Rolls et al. Moreover, the applicant asserts that it is well known that
5 patent drawings cannot be assumed to be to scale unless a scale is indicated on the drawing. Rolls et al. provides no such scale in Figs. 3-4 and provides no measurements in the figures or in the disclosure. As such, the applicant requests that this rejection be withdrawn.

10 *Regarding claim 11:*

The Examiner has identified the sub-frame 72 of Rolls et al. as being both the cage and the motherboard cage. However, since Rolls et al. only teach one cage, Rolls et al. do not teach how one cage can be installed at a certain position with respect to another cage, as
15 recited in applicant's claim 11:

a motherboard cage installed on top of the top surface of the motherboard and beneath the cage.

20 Since Rolls et al. do not teach two cages, Rolls et al. cannot teach their relative positions. As such, the applicant requests that this rejection be withdrawn.

Moreover, the sub-frame 72 does not cage the motherboard 40. That is the motherboard 40 is not surrounded or encompassed by the sub-frame 72, whereas the motherboard 60 of
25 the invention is caged by the motherboard cage 62 (see applicant's Fig.4).

Regarding claim 12:

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The applicant contends that figures 4, 9, and 10d of Rolls et al. as cited by the Examiner do not teach the claim 12 limitation of:

5 the motherboard cage comprises at least a positioning aperture and the cage comprises at least a positioning device corresponding to the positioning aperture for plugging into the positioning aperture when the cage is mounted on the motherboard cage.

10 That is, Rolls et al. do not teach positioning devices/apertures that connect the motherboard cage with the cage. Rather, in col. 5 lines 2-4 of Rolls et al., the motherboard 40 is taught as fastened to a mounting plane 41. Thus, while Rolls et al. fastens the motherboard 40 to the mounting plane 41, in contrast, the invention teaches fastening the motherboard to a motherboard cage (claim 11) and then fastening the motherboard cage to the cage via positioning devices/apertures (claim 12). As such, the applicant requests 15 that this rejection be withdrawn.

Reconsideration of claims 1-4, 8-14, and 16-18 is respectfully requested in view of the arguments made above. Claims 2-4, 8-14, and 16-18 are dependent and should be allowed if claim 1 is found allowable.

20 **3. Rejection of claims 5-7 under 35 U.S.C. 103(a) as being unpatentable over Rolls et al. in view of Hileman et al. (US 5,963,424):**

25 Reconsideration of claims 5-7 is respectfully requested in view of the arguments made in Item 2 above. Claims 5-7 are dependent and should be allowed if claim 1 is found allowable.

4. Rejection of claim 15 under 35 U.S.C. 103(a) as being unpatentable over Rolls et al.

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in view of Kim et al. (US 2003/0047606):

Reconsideration of claim 15 is respectfully requested in view of the arguments made in Item 2 above. Claim 15 is dependent and should be allowed if claim 1 is found allowable.

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Sincerely yours,



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15 Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)